

SCIENCE, AERONAUTICS AND TECHNOLOGY**FISCAL YEAR 2002 ESTIMATES****BUDGET SUMMARY****OFFICE OF SPACE FLIGHT****SPACE OPERATIONS****SUMMARY OF RESOURCES REQUIREMENTS**

	<u>FY 2000 OPLAN REVISED</u>	<u>FY 2001 OPLAN REVISED</u>	<u>FY 2002 PRES BUDGET</u>	<u>Page Number</u>
Operations.....			349,738	SAT 6-2
Mission and Data Service Upgrades			82,811	SAT 6-3
Tracking and Data Relay Satellite System Replenishment Project			50,879	SAT 6-4
Technology			38,316	SAT 6-5
[Reimbursements [non-add]]			<u>[(43,000)]</u>	
Total.....			<u>521,743</u>	

Distribution of Program Amount by Installation

Johnson Space Center	225,593
Kennedy Space Center	37,111
Marshall Space Flight Center	8,800
Dryden Space Flight Center.....	12,743
Glenn Research Center	8,990
Goddard Space Flight Center.....	92,071
Jet Propulsion Laboratory	113,016
Headquarters.....	<u>23,419</u>
Total.....	<u>521,743</u>

Note - See Mission Communication Services in the SAT section and Space Communications Services in the MS section for details for FY 2000 activity and the Space Operations under the HSF appropriation to discuss FY 2001 and FY 2002 activity.

BASIS OF FY 2002 FUNDING REQUIREMENT**OPERATIONS**

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
	(Thousands of Dollars)		
Space Network		40,619	
Deep Space Network		149,870	
Ground Networks		36,021	
Wide Area Network		97,715	
Mission Services		8,581	
Western Aeronautical Test Range		12,472	
Spectrum Management		4,590	
Standards Management		<u>299</u>	
Total.....		<u>349,738</u>	

Note - See Space Operations section under the HSF appropriation to discuss FY 2001 activity.

BASIS OF FY 2002 FUNDING REQUIREMENT

MISSION AND DATA SERVICES UPGRADES

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
	(Thousands of Dollars)		
Mission Services			32,129
Data Services			<u>50,682</u>
Total.....			82,811

Note - See Space Operations section under the HSF appropriation to discuss FY 2001 activity.

BASIS OF FY 2002 FUNDING REQUIREMENT

TRACKING AND DATA RELAY SATELLITE REPLENISHMENT PROJECT

(Thousands of Dollars)

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
	(Thousands of Dollars)		
Spacecraft Development			14,468
Launch Services			<u>36,411</u>
Total.....			<u>50,879</u>

Note - See Space Operations section under the HSF appropriation to discuss FY 2001 activity.

BASIS OF FY 2002 FUNDING REQUIREMENT**TECHNOLOGY**

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
	(Thousands of Dollars)		
Advanced Communications		13,371	
Space Internet.....		4,989	
Virtual Space Presence.....		5,288	
Autonomous Mission Operations		6,585	
Advanced Guidance, Navigation, and Control.....		5,288	
Standards.....		1,297	
Technology Program Support		<u>1,497</u>	
Total.....		38,316	

Note - See Space Operations section under the HSF appropriation to discuss FY 2001 activity.